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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/624,993		
		Filing Date	July 22, 2003		
		First Named Inventor	Svetlana A. SUKHISHVILI, ET AL.		
		Art Unit	1615		
		Examiner Name	Caralynne HELM		
Sheet	1	of	4	Attorney Docket Number	101995.013901

U. S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US 6,511,749	01-28-2003	Mathiowitz et al	
	2	US 2004/0013721 A1	01-22-2004	Antipov et al.	
	3	US 2005/0163714 A1	07-28-2005	Sukhishvili et al.	
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FOREIGN PATENT DOCUMENTS

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		WO-03/035278-A1	5/1/2003	Massachusetts Institute of Technology		
		WO-99/47252	9/23/1999	Max-Planck-Gesellschaft	abstract only	
		WO-02/17888	3/7/2002	Max-Planck-Gesellschaft		

Examiner Signature

/Caralynne Helm/

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NJ 226,485,642 v1

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	1	J. Kost, R. Langer, Responsive Polymeric Delivery Systems, 46 ADVANCED DRUG DELIVERY REVIEWS 125-148 (2001)	
	2	G.B. Sukhorukov et al., pH Controlled Macromolecule Encapsulation in and Release from Polyelectrolyte Multilayer Nanocapsules, 22 MACROMOL. RAPID COMMUN. 44 (2001)	
	3	G. Decher and J.D. Hong, Buildup of Ultrathin Multilayer Films by a Self-Assembly Process: I. Consecutive Adsorption of Anionic and Cationic Bipolar, 46 MACROMOL. SYMP. 321 (1991).	
	4	P. Fisher, et al., Polyelectrolytes Bearing Azobenzenes for the Functionalization of Multilayers, 137 MACROMOL. SYMP. 1 (1999)	
	5	G.B. Sukhorukov et al., Stepwise Polyelectrolyte Assembly on Particle Surfaces: a Novel Approach to Colloid Design, 9 POLYM. ADV. TECHNOL. 759 (1998)	
	6	A.A. Antipov, et al., Sustained Release Properties of Polyelectrolyte Multilayer Capsule, 105 J. PHYS. CHEM. B 2281 (2001)	
	7	X. Qiu et al., Permeability of Ibuprofen in Various Polyelectrolyte Multilayers, 286 MATER. ENG. 591 (2001)	
	8	F. Caruso et al., Microencapsulation of Uncharged Low Molecular Weight Organic Materials by Polyelectrolyte Multilayer Self-Assembly, 16 LANGMUIR 8932 (2000)	
	9	F. Caruso et al., Enzyme Encapsulation in Layer-by-Layer Engineered Polymer Multilayer capsules, 16 LANGMUIR 1485 (2000)	

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	10	F. Albert Cotton and Geoffrey Wilkinson, ADVANCED INORGANIC CHEMISTRY 90-94 (5 th Ed., 1988)	
	11	G.B. Sukhorukov et al., Layer-by-Layer Self Assembly of Polyelectrolytes on Colloidal Particles, 137 COLLOIDS SURF. A: Physiochem. Eng. Aspects 253 (1998)	
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	15	V. Kozlovskaya et al., Hydrogen-Bonded Polymer Capsules Formed by Layer-by-Layer Self-Assembly, 36 MACROMOLECULES 8590-8592 (2003)	
	16	Shi et al., Release Behavior of Thin-Walled Microcapsules Composed of Polyelectrolyte Multilayers LANGMUIR 2036 (2001)	
	17	A.A. Antipov et al., Carbonate Microparticles for Hollow Polyelectrolyte Capsules Fabrication, 224 COLLOIDS SURF. A: Physiochem. Eng. Aspects 175 (2003)	
	18	M. Adamczyk et al., Immunoassay Reagents for Thyroid Testing 1. Synthesis of Thyroxine Conjugates, 5 BIOCONJUGATE CHEM. 459 (1994)	

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	19	T. Serizawa et al., Thermoresponsive Ultrathin Hydrogels Prepared by Sequential Chemical Reactions, 35 MACROMOLECULES 2184 (2002)	
	20	Antipov et al., Polyelectrolyte Multilayer Capsule Permeability Control, 198-200 COLLOIDS AND SURFACES A: PHYSIOCHEM. ENG. ASPECTS (2002) 535	
	21	Shchukin et al., Micron-Scale Hollow Polyelectrolyte Capsules with Nanosized Magnetic Fe ₃ O ₄ Inside, 57 MATERIALS LETTERS 1743 (2003)	
	22	A. Janekovic et al., Preparation of Monodispersed Colloidal Cadmium Compounds, 103 J. COLLOID INTERFACE SCI. 436 (1985)	
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	24	K. Park, Controlled Drug Delivery: Challenges and Strategies, (Am. Chem. Soc., Washington, D.C., 1997) *	
	25	R.F. Egerton, Electron Energy Loss Spectroscopy in the Electron Microscope (2nd Ed., 1996) *	
	26	International Preliminary Report on Patentability (with International Search Report) issued on April 13, 2006, in connection with International Patent No. PCT/US 2004/032491	
	27	Office Action dated August 26, 2008, received in connection with U.S. Patent Application No. 10/965,922	

The PTO did not receive the following listed item(s) *

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